

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Histone H3 (K4) Peptide

Cat No.: BS1174P

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fibre is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. Covalent modifications of the canonical core histones, including acetylation, phosphorylation, methylation, and monoubiquitination are used to mark nucleosomes to create chromatin domains with a range of functions.

Swiss-Prot

P68431/Q71DI3/P84243

Applications

Blocking

Specificity

This peptide can be used with studies using BS1174 Histone H3 (K4) pAb.

Purification & Purity

Synthetic peptide Histone H3 (K4). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.